Bank Web Application - Work Breakdown Structure (WBS)

Phase 1: Initiation & Planning

- 1.1 Define project scope and objectives
- 1.2 Document requirements and constraints
- 1.3 Select technology stack
- 1.4 Create project timeline
- 1.5 Assemble project team

Phase 2: Analysis & Design

- 2.1 System architecture design
- 2.2 Database schema design
- 2.3 API specifications documentation
- 2.4 User interface wireframing
- 2.5 Security architecture planning

Phase 3: Development - Core Infrastructure

- 3.1 Database implementation
- 3.2 User authentication framework
- 3.3 OTP via SMS integration
- 3.4 Account management system
- 3.5 Transaction processing engine

Phase 4: Development - User Features

- 4.1 Account holder registration & login
- 4.2 Account dashboard with balance display
- 4.3 Internal fund transfer functionality
- 4.4 External fund transfer functionality
- 4.5 Transaction history view

Phase 5: Development - Teller System

- 5.1 Teller authentication & authorization
- 5.2 Deposit transaction processing
- 5.3 Withdrawal transaction processing
- 5.4 Account lookup & management tools

Phase 6: Development - API Implementation

- 6.1 fund-transfer endpoint implementation
- 6.2 fund-transfer-external endpoint implementation
- 6.3 receive-external-transfer endpoint implementation
- 6.4 API security implementation

Phase 7: Testing

- 7.1 Unit testing
- 7.2 Integration testing
- 7.3 Security vulnerability testing
- 7.4 Performance testing
- 7.5 User acceptance testing

Phase 8: Deployment & Launch

- 8.1 Environment setup & configuration
- 8.2 Data migration
- 8.3 Deployment procedures
- 8.4 Go-live execution
- 8.5 Post-launch monitoring

Phase 9: Maintenance & Support

- 9.1 Bug fixes & patches
- 9.2 Performance monitoring
- 9.3 Security updates
- 9.4 Backup & recovery procedures
- 9.5 Documentation updates